

Terms of reference N°5: Technical assistance for systematic infrastructure safety improvements

PHASE III–DETAILED PROJECT SPECIFICATION	[STEPS 9, TASK 9.2]
PHASE IV–PROJECT IMPLEMENTATION	[STEPS 10, TASKS 10.3 & 10.4]

CORRIDOR ROAD SAFETY INTERVENTION PRIORITIES

Background

Provide description of proposed project.

Objectives

The objectives of the required technical assistance services are as follows:

- Advise on and support the application of proactive tools and procedures for the design, implementation, maintenance, and evaluation of improved infrastructure safety features in the project RTRC.
- Train road agency and associated regional and national consulting staff in the design, implementation, maintenance, and evaluation of improved infrastructure safety programs in the project RTRC.
- Support the preparation of a post-project program of infrastructure safety improvements throughout the RTRC, based on successful experience in the project RTRC.

Outputs

The outputs of the required technical assistance services are as follows:

- 1 *Advise on and support the application of proactive tools, procedures, and programs for improving infrastructure safety in the project RTRC.*
 - 1.1 Guidelines for the design, implementation, and maintenance of innovative infrastructure safety improvements in the project RTRC to address the recommendations of the iRAP Safer Roads Investment Plan (e.g., barriers, roundabouts, traffic calming, pedestrian and motorcyclist/cyclist facilities, signs and markings, lighting).
 - 1.2 On-the-job support for application of the guidelines to improve infrastructure safety in the project RTRC, including preparation of designs for innovative road safety programs and draft bidding documents for civil works requirements.

- 2 *Train road agency and associated regional and national consulting company staff in the use of proactive tools and procedures for improved infrastructure safety in the project RTRC.*
 - 2.1 Preparation and delivery of basic and advanced training programs in proactive tools and procedures for improved infrastructure safety and related monitoring and evaluation procedures.
- 3 *Evaluate the efficiency and effectiveness of improved road infrastructure safety programs in the project RTRC.*
 - 3.1 Design and conduct of evaluations of improved infrastructure safety programs in the project RTRC (coordinated with a project monitoring and evaluation component).
 - 3.2 Revision of the guidelines for improved infrastructure safety (developed in outputs 1.1 and 1.2), based on the evaluation findings in the project RTRC.
- 4 *Prepare a post-project program and guidelines for infrastructure safety improvements throughout the RTRC.*
 - 4.1 Post-project infrastructure safety improvement program, including program cost estimates and implementation schedule.
 - 4.2 Guidelines for improving infrastructure safety throughout the RTRC.

Scheduling of tasks

The scheduling of the required technical assistance services is as follows:

- *Duration of project.* Support the design, implementation, maintenance, and evaluation of improved infrastructure safety programs in the project RTRC and related staff training.
- *Final year of project.* Support the preparation of a post-project program and guidelines for the improvement of infrastructure safety throughout the RTRC.

Professional skills and experience required

Road safety engineering specialist(s)

One or more internationally recognized specialists with more than 10 years of practical experience in the design of innovative infrastructure safety facilities, including extensive experience with iRAP tools, safety audits, and safety inspection. Experience in improving infrastructure safety in mixed-traffic/mixed-speed road environments in rapidly motorizing countries is essential.

Road safety analysis specialist

An internationally recognized specialist with more than 10 years of experience in conducting scientific analyses of the road environment, vehicle, and human factors contributing to road crashes and injuries. Hands-on experience in quantitative evaluations of safety interventions and outcomes is essential. Experience in road safety analyses in developing and transition countries is desirable.

For all team members, a demonstrated ability to work with and gain the trust of senior government officials and professional peers is essential.

Support from the International Road Assessment Programme (iRAP)

iRAP support is recommended for the delivery of these outputs.